

IN THE CLAIMS:

Please amend the claims as follows:

1. (Original) Illumination unit, in particular for a projection system device or the like, comprising:
 - at least one primary illumination light providing portion (10) being adapted for providing primary illumination light (L1),
 - at least one secondary illumination light providing portion (30) being adapted for providing secondary illumination light (L2) derived from said primary illumination light (L1), and
 - at least one light selecting element (20) being disposed between and assigned to said primary illumination light providing portion (10) and said secondary illumination light providing portion (30) and being simultaneously adapted to select one or a plurality of predefined spectral components or colors of one and/or of a plurality of predefined polarization components from said primary illumination light (L1) and to thereby generate said secondary illumination light (L2) or a preform or a part thereof.
2. (Original) Illumination unit according to claim 1, wherein said light selecting element (20) is provided with dichroic spectral selection properties or dichroic color selection properties, in particular in reflexion and/or in transmission of said primary illumination light (L1).
3. (Currently Amended) Illumination unit according to ~~anyone of the preceding claims~~ claim 1,

wherein said light selecting element (20) is provided with polarization selection properties and in particular with diffractive polarization selection properties, in particular in reflexion and/or in transmission of said primary illumination light (L1).

4. (Currently Amended) Illumination unit according to ~~anyone of the preceding claims~~ claim 1,

wherein said light selecting element (20) is or is adapted to work as a diffractive dichroic beam splitter.

5. (Currently Amended) Illumination unit according to ~~anyone of the preceding claims~~ claim 1,

wherein said light selecting element (20) is capable of reflecting or transmitting s-polarized components of inciding primary illumination light (L1) and/or of transmitting or reflecting p-polarized components of inciding primary illumination light (L1).

6. (Currently Amended) Illumination unit according to ~~anyone of the preceding claims~~ claim 1,

wherein said light selecting element (20) is capable of reflecting or transmitting said predefined spectral components or colors of inciding primary illumination light (L1) and/or of transmitting or reflecting complements of said predefined spectral components or colors of said inciding primary illumination light (L1).

7. (Currently Amended) Illumination unit according to ~~anyone of the preceding claims~~ claim 1,

wherein said light selecting element (20) comprises a diffractive grating structure (21) being adapted to act as a diffractive beam splitter device for incident primary illumination light (L1) and in particular for at least one spectral range or color thereof.

8. (Original) Illumination unit according to claim 7,
wherein said diffractive grating structure (21) comprises at least a grating bulk material (21b), in particular having or forming a first or light incidence surface (20a) or face.
9. (Original) Illumination unit according to claim 8,
wherein said grating bulk material (21b) is provided with an alternating sequence of concave areas or recesses (21r) and convex areas or protrusions (21p), in particular in or on said first or light incidence surface (20a) or face of said grating bulk material (21b), so as to form grating line elements (22) of said diffractive grating structure (21).
10. (Currently Amended) Illumination unit according to ~~anyone of the claims 8 or 9~~ claim 8,
wherein said grating bulk material (21b) is provided with a sequence of embedded material portions, so as to form grating line elements (22) of said diffractive grating structure (21).
11. (Currently Amended) Illumination unit according to ~~anyone of the claims 9 or 10~~ claim 9,
wherein said convex areas or protrusions (21p), said concave areas or recesses (21r) and/or said embedded material portions are respectively essentially identical, have a essentially linear extension and/or are disposed equally spaced and parallely to each other.
12. (Currently Amended) Illumination unit according to ~~anyone of the claims 9 to 11~~ claim 9,
wherein said concave areas or recesses (21r) of said grating bulk material (21b) and/or said embedded material portions are filled with a filling material.
13. (Original) Illumination unit according to claim 12,
wherein said filling material has a diffraction index which is different from a diffraction index of said grating bulk material (21b).
14. (Currently Amended) Illumination unit according to ~~anyone of the claims 8 to 13~~ claim 8,
wherein said grating bulk material (21b) is or comprises a plurality of layers.

15. (Currently Amended) Illumination unit according to ~~anyone of the preceding claims~~
claim 1,

wherein said light selecting element (20) comprises a dichroic multilayer structure (25) being adapted to act as a dichroic spectral filter device for incident primary illumination light (L1).

16. (Original) Illumination unit according to claim 15,

wherein said dichroic multilayer structure (25) is or comprises an alternating sequence of at least a first layer material (25-1) and a second layer material (25-2), said first and second layer materials (25-1, 25-2) in particular having different refraction indices (n_1 , n_2).

17. (Currently Amended) Illumination unit according to ~~anyone of the claims 15 or 16~~ claim 15,

wherein said dichroic multilayer structure (25) and/or said at least first and second layer materials (25-1, 25-2) thereof extend essentially in the plane of said first or light incidence surface (20a) or face, in particular parallelly thereto.

18. (Currently Amended) Illumination unit according to ~~anyone of the claims 15 to 17~~ claim 15,

wherein said dichroic multilayer structure (25) at least in part forms at least a part of said grating bulk material (21b).

19. (Currently Amended) Illumination unit according to ~~anyone of the claims 15 to 18~~ claim 15,

wherein at least a part of said concave areas or recesses (21r), of said convex areas or protrusions (21p) and/or of said embedded material portions (21e) are formed in said dichroic multilayer structure (25).